On board fuel reformer system for fuel cells of vehicles, has several diaphragm hydrogen separation systems

Publication number: DE10116753
Publication date: 2001-10-25
Inventor: JAMES BRIAN DAVID (US)
Applicant: FORD GLOBAL TECH INC (US)
Classification:
- International: ***H01M8/06;*** **H01M8/06**; (IPC1-7): H01M8/06
- European: H01M8/06C
Application number: DE20011016753 20010404
Priority number(s): US20000549397 20000414

Also published as:

US6329091 (B1)

Report a data error here

Abstract of **DE10116753**

The on-board fuel reformer system has several diaphragm hydrogen separation systems. The fuel reformer system includes two hydrogen cleaning units connected with each other. The first hydrogen cleaning unit (12) produces a first hydrogen flow with a first pressure. The second hydrogen cleaning unit (14) produces a second hydrogen flow with a second pressure. The first hydrogen flow is supplied to a metal hydride storage bed (16), in order to charge this. The hydrogen in this bed reacts in combination with the supply of a fuel cell to the second hydrogen flow. Independent claims are included for supplying a fuel cell with hydrogen.